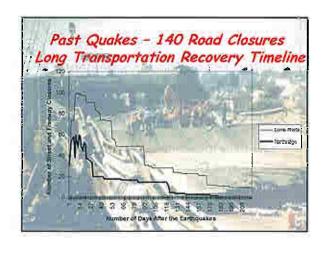


2000 "Don't Wing It" Project on AIRPORTS and EARTHQUAKES

- 1 Assess susceptibility of 3 international airport runways to liquefaction
- 2 Look at runway vulnerability of other airports, but with less detail
- 3 Look at vulnerability of access routes to airports
- 4 Begin facilitation of collaborative preplanning for earthquake disruptions



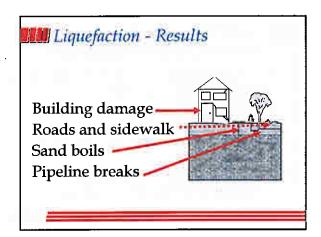
Next Time Hayward Scenario - 1,700 Road
Closures and East Bay Cut Off Due to
Fault Rupture
What Does This Mean?

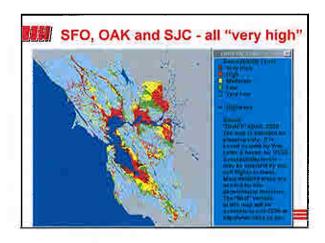
- Our model for predicting the potential impacts
 of this damage should be the earthquake in
 Kobe or Hurricanes Katrina, not either of our
 recent California earthquakes.
- · We need our airports!

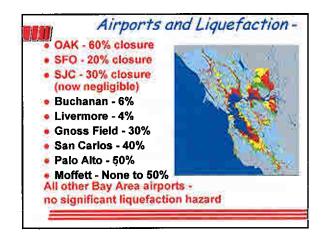


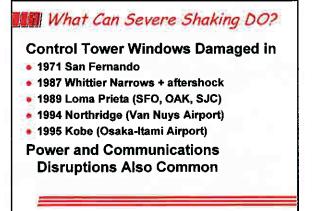
What Has Happened to Airports in Past Earthquakes?

- Liquefaction Damage to Runways
- Structural Problems
- Power and Communication
- Access TO-FROM Airports







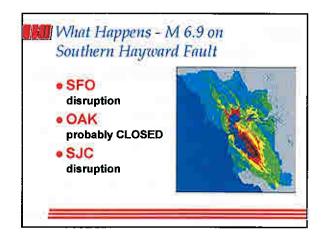


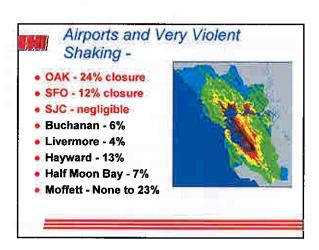












Airports and Road Access Assessment

Major Problems =

- OAK Highest number
- SFO Limited number + bridges
- SJC Minimal disruption

Recommendations of "Don't Wing It" Project

- More complete information on Moffett, Buchanan, and Travis AFB
- Develop recommendations on ways to deal with the runway damage issue
- Improve emergency planning and coordination among all transportation providers
- Ensure coordination with other out-of-region airports for emergency response

Changes Since 2000

- SJC runway improvements
- 9/11 and focus on terrorism
- Hurricane Katrina
- Expansion of runway capacity issue to include need for a fourth airport
- Understanding that the "hole" (that is, deeper sediments) west of OAK can amplify earthquake shaking

"Obvious" Activities

- Business continuity plan
- Staff training
- Mutual aid agreements and county-wide exercises
- Non-structural "contents" anchoring
- Retrofit of obvious structural deficiencies

Recommended Needed Efforts

Hazard and Risk Assessment -

- More complete information on Moffett, Buchanan, and Travis AFB
- Develop recommendations on ways to deal with the runway damage issue

Emergency / Recovery Coordination -

- Improve emergency AND recovery planning and coordination among all transportation providers
- Ensure coordination with other out-of-region airports for emergency response AND recovery

